

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 32. (Canceled)

33. (Previously Presented) A communication method for use in a code division multiple access (CDMA) system, comprising:

combining a first pseudo-random code and a portion of a second pseudo-random code to generate an output code, the first pseudo-random code having a length equal to a first number of chips, the second pseudo-random code having a length equal to a second number of chips, the first number of chips being less than the second number of chips, and the output code having a length equal to a third number of chips, the third number of chips being less than a product of the first number of chips and the second number of chips; and

spreading a signal based on the output code, wherein the signal carries information.

34. (Previously Presented) A communication method in accordance with claim 33, further comprising filtering the spread signal.

35. (Previously Presented) A communication apparatus for use in a code division multiple access (CDMA) system, the communication apparatus comprising:

a circuit configured to combine a first pseudo-random code and a portion of a second pseudo-random code to generate an output code, the first pseudo-random code having a length equal to a first number of chips, the second pseudo-random code having a length equal to a second number of chips, the first number of chips being less than the second number of chips, and the output code having a length equal to a third number of chips, the third number of chips being less than a product of the first number of chips and the second number of chips, and the circuit is configured to spread a signal based on the output code, wherein the signal carries information; and

an antenna coupled to the circuit, the antenna being configured to output the spread signal.

36. (Previously Presented) A communication apparatus in accordance with claim 35, further comprising a filter.